

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	71	((bubble or gas or vapor) collapse heater).clm.	US-PGPUB	AND	ON	2006/08/18 12:48
L2	10	((bubble or gas or vapor) collapse heater with micron).clm.	US-PGPUB	AND	ON	2006/08/18 12:48
L3	2	((bubble or gas or vapor) collapse heater with micron with "5").clm.	US-PGPUB	AND	ON	2006/08/18 12:48

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13019	("5" and less and micron and collaps\$4 and (bubble vapor gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:54
L2	126	("5" and less and micron and collaps\$4 and (bubble vapor gas)).cm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:55
L3	822	1 and "347"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:54
L4	74	2 and "347"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:54
L5	22	("5" with less and micron and collaps\$4 and (bubble vapor gas)).cm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:54
L6	22	("5" with less and micron and collaps\$4 and (bubble vapor gas)).cm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L7	3	("5" with less and micron and collaps\$4 and electrode and (bubble vapor gas)).cm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L8	2	"20040100533"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L9	1	2004-447824.NRAN.	DERWENT	OR	ON	2006/08/18 12:56
L10	2	"6755509".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L11	5	("4965594" "5534898" "5706041" "5841452" "6543879").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L12	36	("4965594").URPN.	USPAT	OR	ON	2006/08/18 12:56
L13	22	L12 and electrode	USPAT	OR	ON	2006/08/18 12:56
L14	10	L12 and (electrode.cm.)	USPAT	OR	ON	2006/08/18 12:56
L15	3	(US-20040100533-\$).did. or (US-6755509-\$ or US-4965594-\$ or US-6974210-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/18 12:56
L16	2	(electrode near4 layer) and L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56

EAST Search History

L17	12	("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L18	1	((electrode and heater) near4 layer) and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L19	2	(electrode near4 layer) and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L20	12	("4251824" "4330787" "4345262" "4376945" "4450457" "4459600" "4536250" "4567493" "4577202" "4596994" "4613844" "4723129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L21	43571	"347"/\$.ccis.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L22	2998	silverbrook.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L23	1838	L21 and L22	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L24	32	((heater and electrode) near3 layer) and (cantilever and (nanojoule "nj") and (nozzle with density) and thickness and nanograms)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L25	32	L23 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L26	48	((heater and electrode) near3 layer) and (cantilever near3 beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L27	32	L21 and L26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L28	4	("5719604" "5812163" "5988799" "6130689").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L29	1	"6312112".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L30	0	L17 and "titanium nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L31	974	L21 and "titanium nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56

EAST Search History

L32	81	((electrode and heater) near4 layer) and L31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L33	13	("20030042046" "20030087484" "20030089597" "20040113988" "4335389" "4596994" "4663640" "4956653" "4965611" "5448273" "5682188" "6441838" "6450622").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L34	2	"20040113986"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L35	0	" and 10500 nanojoules"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L36	74	"500 nanojoules" and L21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L37	0	L36 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L38	123	(joule and ((actuation firing) near3 energy)) and L21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L39	19	L38 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L40	3	("5030971" "5638101" "6234598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L41	0	L17 and joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L42	0	L17 and \$4joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L43	0	("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn. and joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L44	325905	L17 and titanium nitride	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56

EAST Search History

L45	3	L17 and (titanium nitride)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L46	6	("5706041" "6543879" "4965594").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L47	2	"5841452".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L48	2	"4774530".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L49	2	"6692108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L50	2	"6692108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L51	0	"support the ejectable liquid" and L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L52	0	"support the ejectable" and L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L53	0	"the ejectable liquid" and L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L54	4291954	support the ejectable liquid and L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L55	2	(support the ejectable liquid) and L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L56	11	(US-20040100533-\$.did. or (US-5719604-\$ or US-6755509-\$ or US-6692108-\$ or US-6234598-\$ or US-4965594-\$ or US-6974210-\$ or US-6543879-\$ or US-6450622-\$ or US-6441838-\$ or US-5841452-\$ or US-5706041-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/18 12:56

EAST Search History

L57	0	"same search as US 10/728803"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L58	2	"6755509".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L59	2	"20040119786"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L60	42	((bubble gas) with collapse with heater with nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L61	67503	"347"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L62	34	L60 and L61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L63	9	("20020008738" "20020167553" "4882595" "4894664" "6000787" "6019457" "6120135" "6595627" "6652077").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L64	3	09/907456	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L65	5	("4532530" "4894664" "4980702" "5017941" "5216446").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L66	1	"6019457".pn.	US-PGPUB; USPAT	OR	ON	2006/08/18 12:56
L67	25	("5706041").URPN.	USPAT	OR	ON	2006/08/18 12:56
L68	18	(US-20040100533-\$ or US-20040119786-\$ or US-20050012783-\$).did. or (US-6974210-\$ or US-5483265-\$ or US-6022100-\$ or US-6755509-\$ or US-5841452-\$ or US-5706041-\$ or US-6543879-\$ or US-4965594-\$ or US-5719604-\$ or US-6692108-\$ or US-6234598-\$ or US-6834940-\$ or US-4894664-\$ or US-7018017-\$ or US-6964743-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/18 12:56
L69	97	("4894664").URPN.	USPAT	OR	ON	2006/08/18 12:56
L70	39	("3890623" "4219822" "4275290" "4330787" "4339762" "4353079" "4376945" "4429321" "4463359" "4490728" "4521805" "4536097" "4580149" "4611219" "4675693" "4675694" "4675696" "4723129" "4812859" "4831390" "4847630" "4864328" "4864329" "4882595" "4889587" "4894664" "4914562" "4985710" "5038153" "5211754" "5305018" "5636441" "5760804" "5825385" "5841452" "5850241" "6019457" "6042222" "6143190").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L71	97	("4894664").URPN.	USPAT	OR	ON	2006/08/18 12:56
L72	6	L69 and cantilever	USPAT	OR	ON	2006/08/18 12:56

EAST Search History

L73	37	("3890623" "4219822" "4275290" "4330787" "4339762" "4353079" "4376945" "4429321" "4463359" "4490728" "4521805" "4536097" "4580149" "4611219" "4675693" "4675694" "4675696" "4723129" "4812859" "4831390" "4847630" "4864328" "4864329" "4882595" "4889587" "4894664" "4914562" "4985710" "5038153" "5211754" "5636441" "5760804" "5825385" "5841452" "5850241" "6042222" "6091457").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L74	2	"4894664".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L75	1	"6076919".pn.	USPAT	AND	ON	2006/08/18 12:56
L76	2	"4984664".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L77	39	("3852563" "4438191" "4491606" "4558333" "4680859" "4809428" "4847630" "4851371" "4862197" "4875968" "4894664" "5016023" "5041190" "5098503" "5160577" "5160945" "5194877" "5306307" "5308442" "5317346" "5442384" "5478606" "5589865" "5738799" "5851412" "5980017" "6000787" "6036874" "6099106" "6137443" "6153114" "6162589" "6204182" "6303274" "6325488" "6365058" "6406134" "6482574" "6485132").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L78	71	((bubble or gas or vapor) collapse heater).clm.	US-PGPUB	AND	ON	2006/08/18 12:56
L79	64	L78 (ink\$3jet or bubble\$3jet)	US-PGPUB	AND	ON	2006/08/18 12:56
L80	39	("20030082841" "3852563" "4438191" "4491606" "4558333" "4680859" "4809428" "4847630" "4851371" "4862197" "4875968" "4894664" "5016023" "5041190" "5098503" "5160577" "5160945" "5194877" "5306307" "5308442" "5317346" "5442384" "5478606" "5589865" "5738799" "5851412" "5980017" "6000787" "6036874" "6099106" "6137443" "6153114" "6162589" "6204182" "6303274" "6325488" "6365058" "6482574" "6485132").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 12:56
L81	2	"5,719,604".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:56
L82	71	((bubble or gas or vapor) collapse heater).clm.	US-PGPUB	AND	ON	2006/08/18 12:56
L83	2	((bubble or gas or vapor) collapse heater with micron with "5").clm.	US-PGPUB	AND	ON	2006/08/18 12:56
L84	10	((bubble or gas or vapor) collapse heater with micron).clm.	US-PGPUB	AND	ON	2006/08/18 12:57
L85	6428	347/54-67.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:57
L86	60	((bubble or gas or vapor) collapse heater micron).clm.	US-PGPUB	AND	ON	2006/08/18 12:57
S1	2	"20040100533"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:52
S2	1	2004-447824.NRAN.	DERWENT	OR	ON	2006/03/22 10:16
S3	2	"6755509".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 10:39
S4	5	("4965594" "5534898" "5706041" "5841452" "6543879").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 10:40
S5	34	("4965594").URPN.	USPAT	OR	ON	2006/03/22 10:45

EAST Search History

S6	20	S5 and electrode	USPAT	OR	ON	2006/03/22 10:47
S7	10	S5 and (electrode.dlm.)	USPAT	OR	ON	2006/03/22 10:48
S8	4	(US-20040100533-\$).dld. or (US-6755509-\$ or US-4965594-\$ or US-6974210-\$).dld.	US-PGPUB; USPAT	OR	ON	2006/03/22 13:17
S9	2	(electrode near4 layer) and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:20
S10	12	("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:20
S11	1	((electrode and heater) near4 layer) and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:45
S12	2	(electrode near4 layer) and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:20
S13	12	("4251824" "4330787" "4345262" "4376945" "4450457" "4459600" "4536250" "4567493" "4577202" "4596994" "4613844" "4723129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:35
S14	41519	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:35
S15	2657	silverbrook.ln.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:35
S16	1609	S14 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:35
S17	30	((heater and electrode) near3 layer) and (cantilever and (nanojoule "nj") and (nozzle with density) and thickness and nanograms)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:38
S18	30	S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:37
S19	43	((heater and electrode) near3 layer) and (cantilever near3 beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:39
S20	29	S14 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:39
S21	4	("5719604" "5812163" "5988799" "6130689").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:43
S22	1	"6312112".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:43

EAST Search History

S23	0	S10 and "titanium nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:28
S24	858	S14 and "titanium nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:45
S25	76	((electrode and heater) near4 layer) and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 13:46
S26	13	("20030042046" "20030087484" "20030089597" "20040113988" "4335389" "4596994" "4663640" "4956653" "4965611" "5448273" "5682188" "6441838" "6450622").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 13:51
S27	2	"20040113986"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:15
S28	0	" and 10500 nanojoules"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:15
S29	65	"500 nanojoules" and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:16
S30	0	S29 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:17
S31	113	(joule and ((actuation firing) near3 energy)) and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:17
S32	17	S31 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:17
S33	3	("5030971" "5638101" "6234598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/22 14:19
S34	0	S10 and joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:20
S35	0	S10 and \$4joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:20

EAST Search History

S36	0	("6543879" "4965594" "5534898" "5706041" "5841452" "4827294").pn. and joule	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:21
S37	311310	S10 and titanium nitride	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:28
S38	3	S10 and (titanium nitride)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:29
S39	6	("5706041" "6543879" "4965594").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 07:43
S40	2	"5841452".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 08:58
S41	2	"4774530".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 10:11
S42	2	"6692108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 11:33
S43	2	"6692108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:23
S44	0	"support the ejectable liquid" and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:23
S45	0	"support the ejectable" and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:23
S46	0	"the ejectable liquid" and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:23
S47	4182833	support the ejectable liquid and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:24

EAST Search History

S48	2	(support the ejectable liquid) and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:24
S49	12	(US-20040100533-\$.did. or (US-5719604-\$ or US-6755509-\$ or US-6692108-\$ or US-6234598-\$ or US-4965594-\$ or US-6974210-\$ or US-6543879-\$ or US-6450622-\$ or US-6441838-\$ or US-5841452-\$ or US-5706041-\$.did.	US-PGPUB; USPAT	OR	ON	2006/03/27 10:03
S50	0	"same search as US 10/728803"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 10:06
S51	2	"6755509".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 10:28
S52	2	"20040119786"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/28 08:30
S53	42	((bubble gas) with collapse with heater with nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:45
S54	67503	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:45
S55	34	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 07:49
S56	25	("5706041").URPN.	USPAT	OR	ON	2006/08/18 08:57
S57	5	("4532530" "4894664" "4980702" "5017941" "5216446").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 09:12
S58	97	("4894664").URPN.	USPAT	OR	ON	2006/08/18 09:19
S59	6	S58 and cantilever	USPAT	OR	ON	2006/08/18 09:19
S60	18	(US-20040100533-\$ or US-20040119786-\$ or US-20050012783-\$.did. or (US-6974210-\$ or US-5483265-\$ or US-6022100-\$ or US-6755509-\$ or US-5841452-\$ or US-5706041-\$ or US-6543879-\$ or US-4965594-\$ or US-5719604-\$ or US-6692108-\$ or US-6234598-\$ or US-6834940-\$ or US-4894664-\$ or US-7018017-\$ or US-6964743-\$.did.	US-PGPUB; USPAT	OR	ON	2006/08/18 09:34
S61	1	"6019457".pn.	US-PGPUB; USPAT	OR	ON	2006/08/18 09:35
S62	9	("20020008738" "20020167553" "4882595" "4894664" "6000787" "6019457" "6120135" "6595627" "6652077").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 09:43
S63	3	09/907456	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:46

EAST Search History

S64	39	("3890623" "4219822" "4275290" "4330787" "4339762" "4353079" "4376945" "4429321" "4463359" "4490728" "4521805" "4536097" "4580149" "4611219" "4675693" "4675694" "4675696" "4723129" "4812859" "4831390" "4847630" "4864328" "4864329" "4882595" "4889587" "4894664" "4914562" "4985710" "5038153" "5211754" "5305018" "5636441" "5760804" "5825385" "5841452" "5850241" "6019457" "6042222" "6143190").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 09:47
S65	37	("3890623" "4219822" "4275290" "4330787" "4339762" "4353079" "4376945" "4429321" "4463359" "4490728" "4521805" "4536097" "4580149" "4611219" "4675693" "4675694" "4675696" "4723129" "4812859" "4831390" "4847630" "4864328" "4864329" "4882595" "4889587" "4894664" "4914562" "4985710" "5038153" "5211754" "5636441" "5760804" "5825385" "5841452" "5850241" "6042222" "6091457").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 09:52
S66	2	"4984664".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:58
S67	2	"4894664".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:58
S68	97	("4894664").URPN.	USPAT	OR	ON	2006/08/18 10:00
S69	39	("3852563" "4438191" "4491606" "4558333" "4680859" "4809428" "4847630" "4851371" "4862197" "4875968" "4894664" "5016023" "5041190" "5098503" "5160577" "5160945" "5194877" "5306307" "5308442" "5317346" "5442384" "5478606" "5589865" "5738799" "5851412" "5980017" "6000787" "6036874" "6099106" "6137443" "6153114" "6162589" "6204182" "6303274" "6325488" "6365058" "6406134" "6482574" "6485132").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 10:05
S70	39	("20030082841" "3852563" "4438191" "4491606" "4558333" "4680859" "4809428" "4847630" "4851371" "4862197" "4875968" "4894664" "5016023" "5041190" "5098503" "5160577" "5160945" "5194877" "5306307" "5308442" "5317346" "5442384" "5478606" "5589865" "5738799" "5851412" "5980017" "6000787" "6036874" "6099106" "6137443" "6153114" "6162589" "6204182" "6303274" "6325488" "6365058" "6482574" "6485132").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 10:20
S71	71	((bubble or gas or vapor) collapse heater).clm.	US-PGPUB	AND	ON	2006/08/18 12:46
S72	64	S71 (ink\$3jet or bubbles\$3jet)	US-PGPUB	AND	ON	2006/08/18 10:28
S73	1	"6076919".pn.	USPAT	AND	ON	2006/08/18 10:43
S74	2	"5,719,604".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 11:47
S75	71	((bubble or gas or vapor) collapse heater).clm.	US-PGPUB	AND	ON	2006/08/18 12:05
S76	60	((bubble or gas or vapor) collapse heater micron).clm.	US-PGPUB	AND	ON	2006/08/18 12:06
S77	10	((bubble or gas or vapor) collapse heater with micron).clm.	US-PGPUB	AND	ON	2006/08/18 12:06
S78	2	((bubble or gas or vapor) collapse heater with micron with "5").clm.	US-PGPUB	AND	ON	2006/08/18 12:06
S79	6428	347/54-67.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:47